

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		<b>ATTORNEY'S DOCKET NUMBER</b> <b>DUMMETT-051XX</b>
<b>INTERNATIONAL APPLICATION NO.</b> <b>PCT/GB2004/005196</b>		<b>U.S. APPLICATION NO. (If known, see 37 CFR 1.5)</b> <b>107582465</b>
<b>INTERNATIONAL FILING DATE</b> <b>10 December 2004</b>		<b>PRIORITY DATE CLAIMED</b> <b>12 December 2003</b>
<b>TITLE OF INVENTION</b> <b>EXTRUDATE HAVING CAPILLARY CHANNELS</b>		
<b>APPLICANT(S) FOR DO/EO/US</b> <b>MACKLEY ET AL.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). <b>(unsigned)</b> 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).  <b>Items 11 to 20 below concern document(s) or information included:</b> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input checked="" type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. <b>(unsigned)</b> 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		

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The fee is \$250 for each additional 50 sheets of paper or fraction thereof.         </td> </tr> <tr> <td>Total Sheets</td> <td>Extra Sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td colspan="2"></td> </tr> <tr> <td>35 - 100 =</td> <td>/50 =</td> <td></td> <td>x \$250</td> <td colspan="2">\$ 0.00</td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).</td> </tr> <tr> <td>CLAIMS</td> <td>NUMBER FILED</td> <td>NUMBER EXTRA</td> <td>RATE</td> <td colspan="2">\$</td> </tr> <tr> <td>Total claims</td> <td>24 - 20 =</td> <td>4</td> <td>x \$ 50</td> <td colspan="2">\$ 200.00</td> </tr> <tr> <td>Independent claims</td> <td>4 - 3 =</td> <td>1</td> <td>x \$200</td> <td colspan="2">\$ 200.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$360</td> <td colspan="2">\$</td> </tr> <tr> <td colspan="4"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td colspan="2"><b>\$ 1400.00</b></td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.         </td> </tr> <tr> <td colspan="6" style="text-align: right;"><b>SUBTOTAL =</b> \$ 700.00</td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(l)).</td> </tr> <tr> <td colspan="6" style="text-align: right;"><b>TOTAL NATIONAL FEE =</b> \$ 700.00</td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21(h)). 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AP203cc'd PCT/PTO 12 JUN 2006

- a.  A check in the amount of \$ 700.00 to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-3285. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

**Bourque & Associates, P.A.**  
**835 Hanover Street, Suite 301**  
**Manchester, NH 03104**

  
SIGNATURE  
**Daniel J. Bourque, Esquire**  
NAME  
**35,457**  
REGISTRATION NUMBER

10/582465  
iAP20 Rec'd PCT/PTO 12 JUN 2006  
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application : Mackley et al.  
Serial No. : TBD  
Filed : June 12, 2006  
For : Extrudate Having Capillary Channels  
Attorney's Docket : DUMMETT-051XX

Express Mail Mailing Number - EV728119021US  
Date of Deposit - June 12, 2006

I hereby certify that the following items are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and as addressed to: Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450:

U.S. Patent application of Mackley et al., entitled Extrudate Having Capillary Channels, consisting of

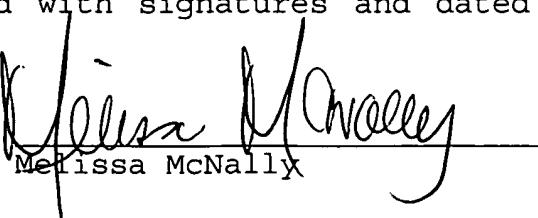
Specification includes:

PP 1 through 30 of Detailed Description; PP 31 through 34 of claims 1 through 14; and Abstract in Bibliography format 1 page;

Drawings as follows (one copy informal): First sheet of Fig. 1; Second sheet of Fig. 2 and Fig. 3; Third sheet of Fig. 4; and Fourth sheet of Fig. 5a, Fig. 5b and Fig. 5c.

- a Transmittal Letter to the United States Designates/Elected office under 35 U.S.C. 371 (3 pages);
- an Application Data Sheet (3 pages);
- a copy of PCT/GB2004/005196 priority document (40 pages);
- a Preliminary Amendment (10 pages);
- a Substitute Specification (35 pages);
- Letter Under Rule 37 C.F.R. 1.53 (1 page);
- a Declaration and Power of Attorney - Unsigned (4 pages);
- Information Disclosure Statement (4 pages);
- USPTO Form 1449 (1 pages) with 4 references enclosed;
- Check No. 15618 in the amount of \$700.00 for basic filing Fee.

The above items are deposited with signatures and dated by the filing attorney as appropriate.

  
Melissa McNally